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TITLE: HEAT-RESISTANT POLYURETHANE RESIN

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ABSTRACT:

PURPOSE: A rigid **polyurethane** resin excellent in heat resistance, prepared by reacting an **alkylene oxide adduct of xylylenediamine** alone or together with a different polyfunctional polyol, with an aromatic polyisocyanate compound.

CONSTITUTION: A polyol with an average OH value of 300∼1,000, represented by the formula (wherein R is an alkylene, k, l, m and n are each ≥1 and k+l+ m+n=4∼10) is prepared by adding about 4∼10mol of an **alkylene oxide to 1mol of xylylenediamine**. Then, this polyol or a mixture of above 20wt% this polyol with below 80wt% polyfunctional polyol with OH value of 200∼2,000 (e.g., ethylene glycol, triethylene glycol) is reacted and cured with an aromatic polyisocyanate compound (e.g., 2,4-tolylene diisocyanate) to obtain the purpose heat- resistant **polyurethane** resin.

PATENT ABSTRACTS OF JAPAN

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(54) HEAT-RESISTANT POLYURETHANE RESIN

(57)Abstract:

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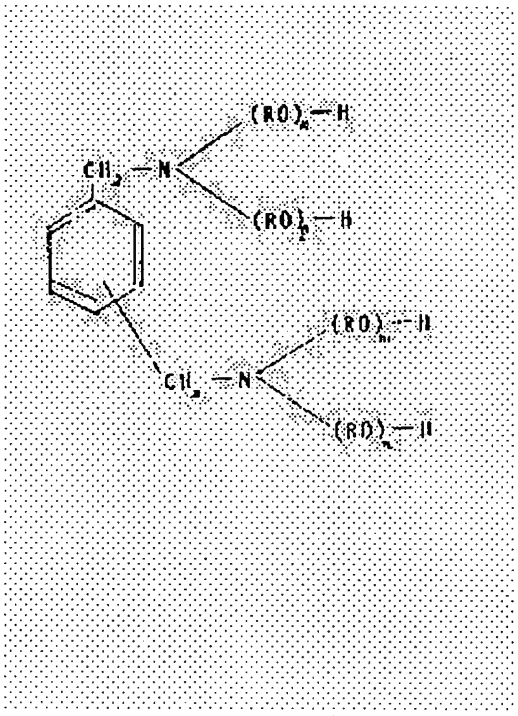

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